App. Title: A Hybrid Neural Network and Support
Vector Machine Method for Optimiz
ASA Docket No.: ARC-14586-1
Inventor: Man Mohan Rai
NASA Contact: Robert M. Padilla, (650) 604-5104
Sheet 1 of 13

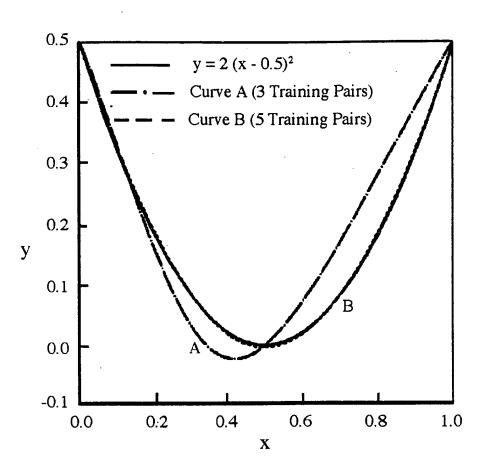


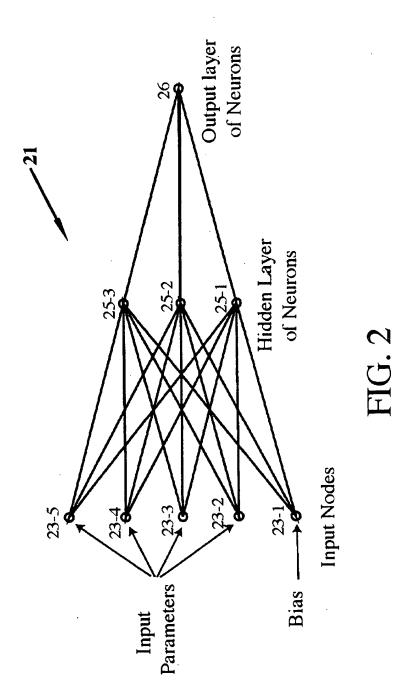
FIG. 1

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App. Title: A Hybrid Neural Network and Support

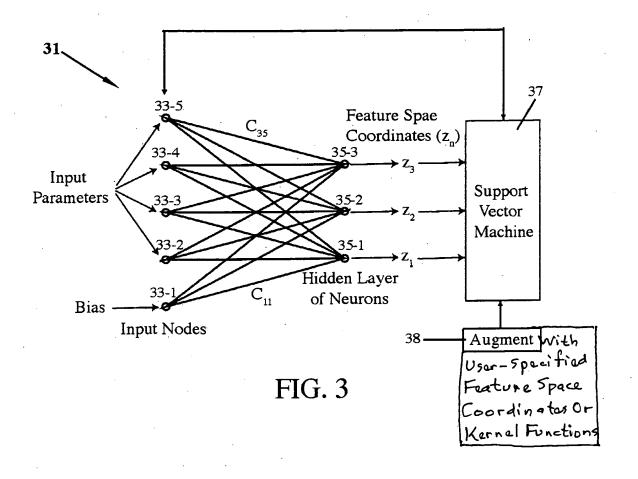
Vector Machine Method for Optimiz

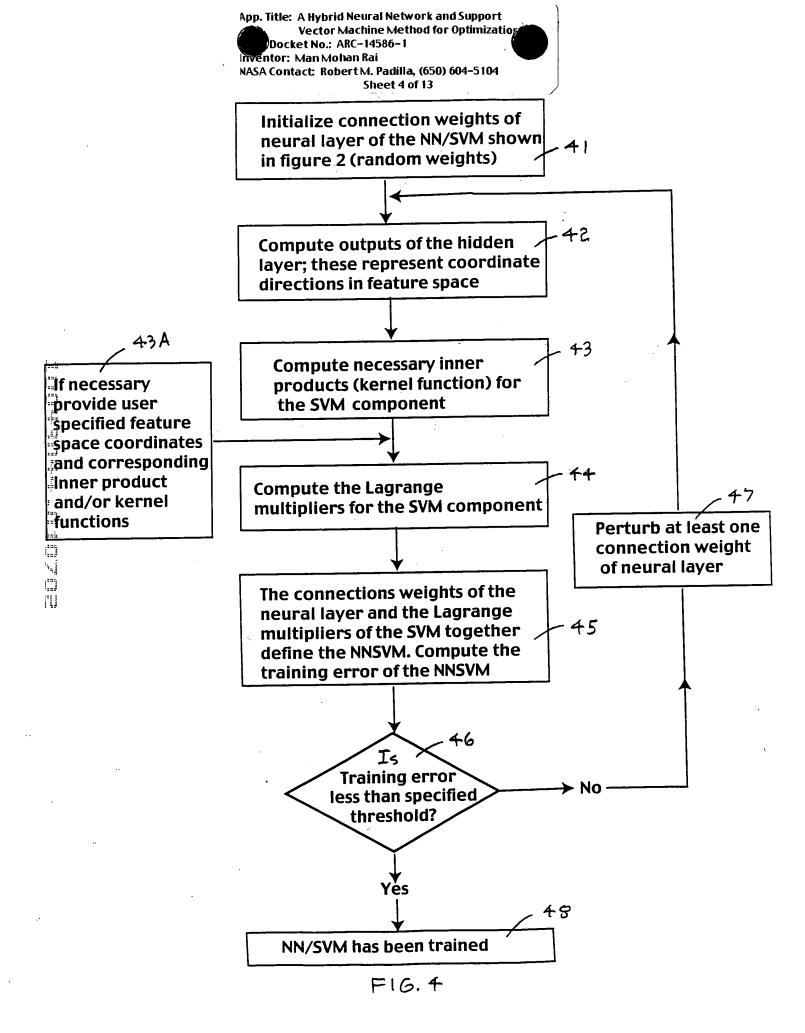
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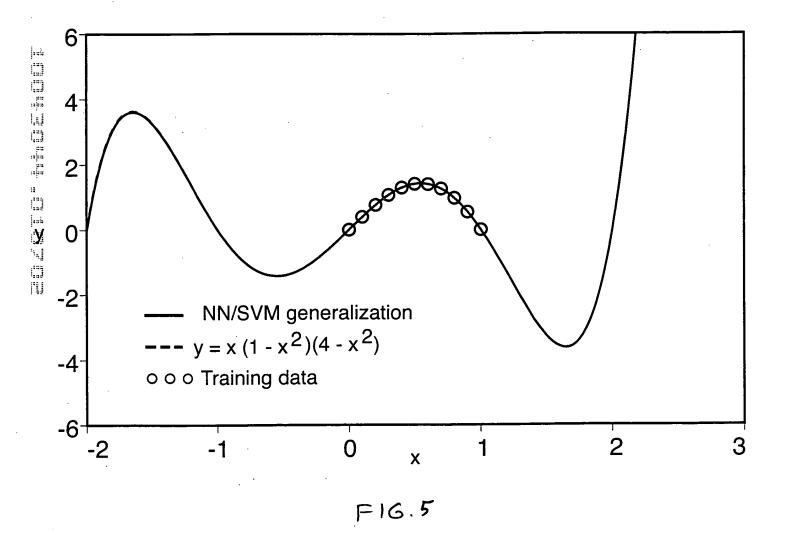
Sheet 3 of 13



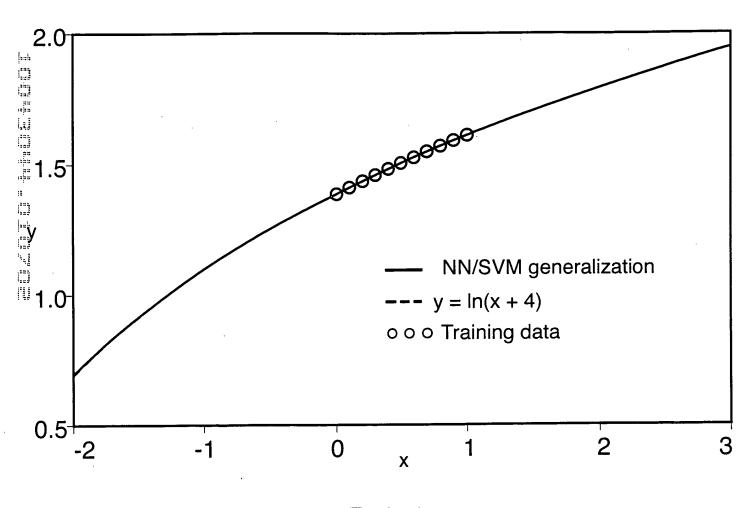


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Vector Machine Method for Optimization
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Inventor: Man Mohan Rai
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F16.6

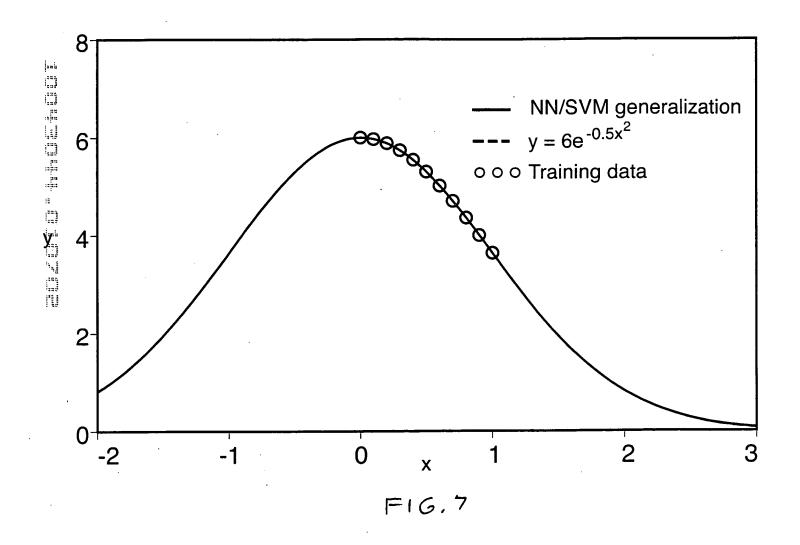
App. Title: A Hybrid Neural Network and Support Vector Machine Method for Quantization

NASA Docket No.: ARC-14586-1

Inventor: Man Mohan Rai

NASA Contact: Robert M. Padilla, (650) 604–5104

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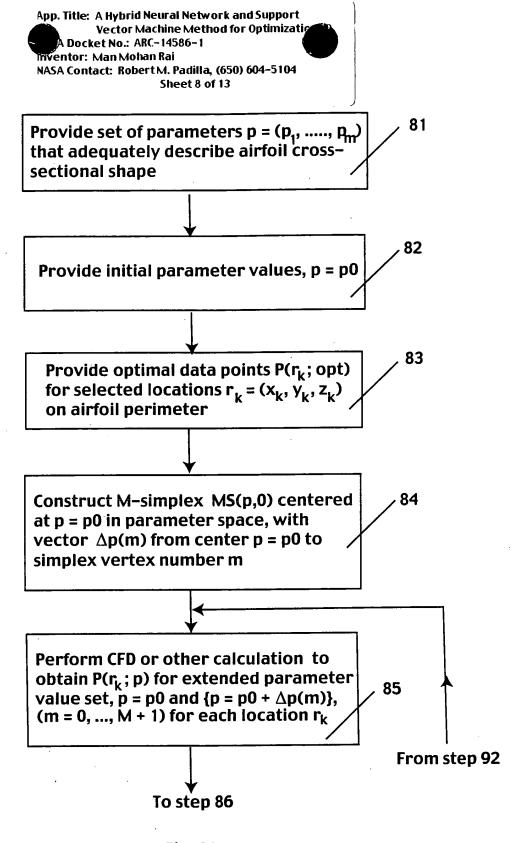


Fig. 8A

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Vector Machine Method for Optimization

Fig. 8B

To Step 91

From Step 92

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Vector Machine Method for Optimiza
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Inventor: Man Mohan Rai
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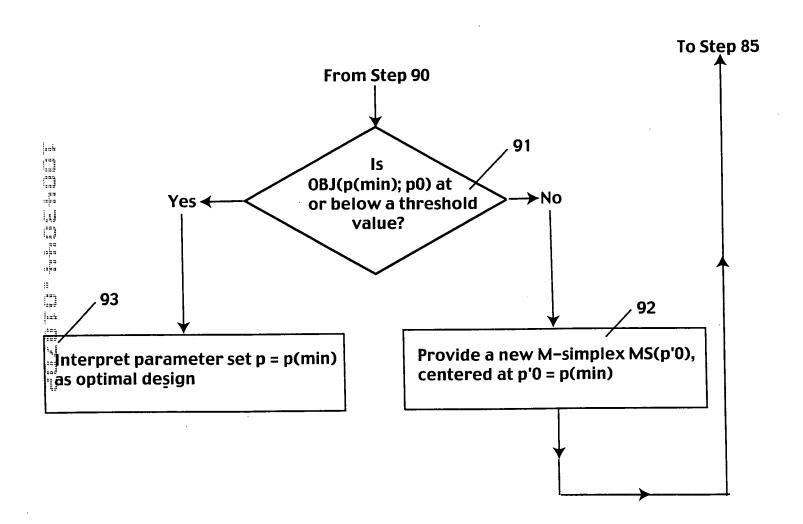


Fig. 8C

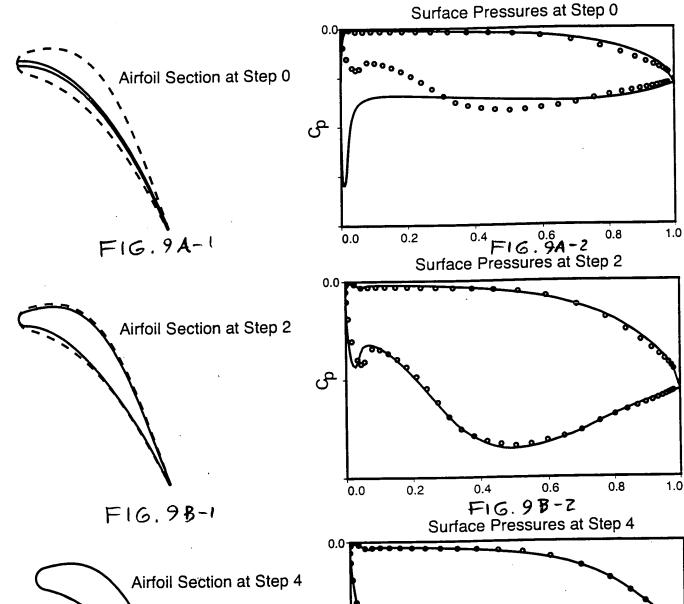
Optimized Airfoil Sections and Pressure Distributions

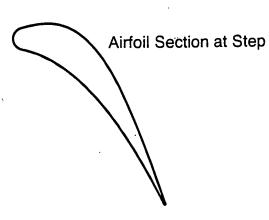
Target Airfoil SectionOptimal Airfoil Sections

4 H H H Tank Clear H H Clark

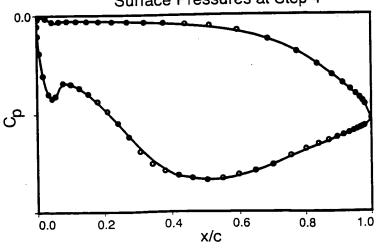
1=5

- ooo Target Pressure Data
- Optimal Pressure Distributions



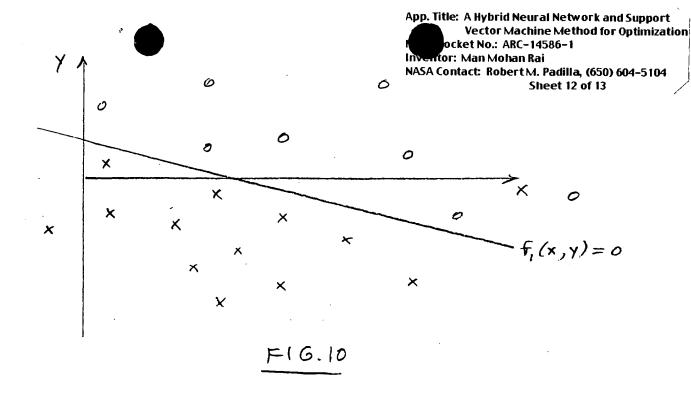


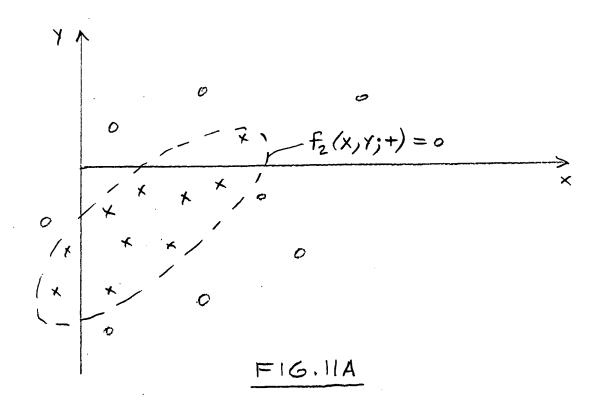
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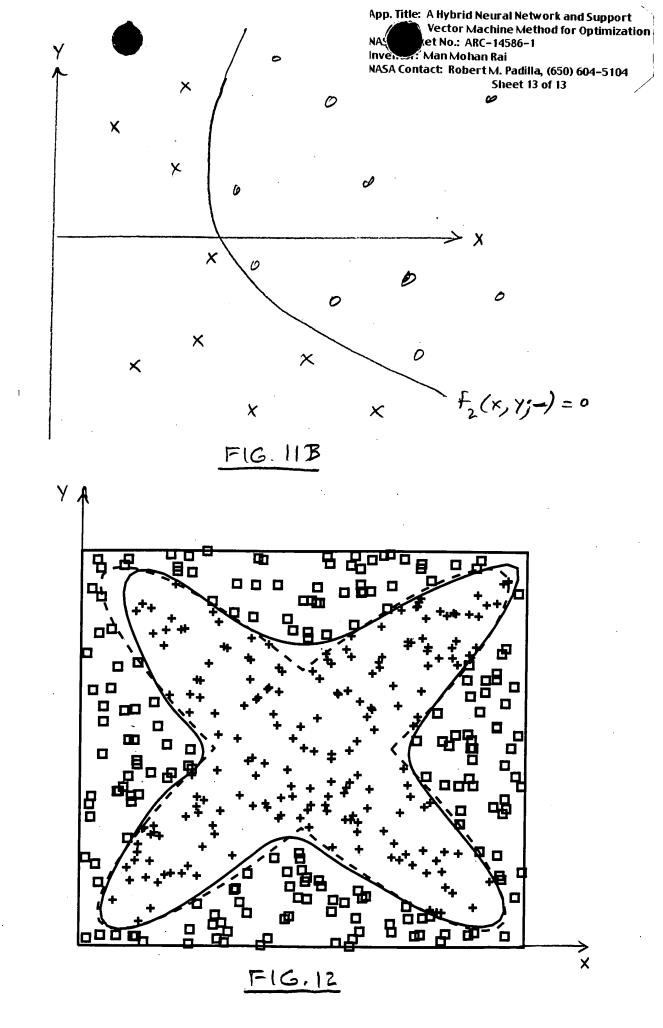


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